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(FILE 'HOME' ENTERED AT 13:25:29 ON 05 MAR 2003)  
SET COST OFF

FILE 'REGISTRY' ENTERED AT 13:25:46 ON 05 MAR 2003

L1 1 S HYDROGEN PEROXIDE/CN  
E BENZALKONIUM CHLORIDE/CN

L2 1 S E3  
E BENZETHONIUM CHLORIDE/CN

L3 1 S E3  
E IODINE/CN

L4 1 S E3  
E TRICLOSAN/CN

L5 1 S E3  
E NEOMYCIN/CN

L6 1 S E3  
E POLYMYXIN/CN

L7 3 S E3,E4,E10  
E BACITRACIN/CN

L8 1 S E3  
E CLINDAMYCIN/CN

L9 1 S E3  
E BENZOYL PEROXIDE/CN

L10 1 S E3  
E TETRACYCLIN/CN

L11 1 S E5  
E TETRACYCLIN

L12 670 S E3,E4  
E PENICILLIN/CN

L13 1 S E3  
E PENICILLIN

L14 2303 S ?PENICILLIN?/CNS

L15 1200 S L14 NOT SQL/FA

L16 40381 S NC3-NCSC2/ES  
E 99/RID  
E 99.81/RID

L17 39307 S E3

L18 26778 S L15-L17 AND 1/NC

L19 543 S L12 NOT SQL/FA

L20 238 S L19 AND C6-C6-C6-C6/ES AND 1/NC

L21 497 S L18 AND L15  
E QUINOLONE/CN

L22 1 S E2  
E RSD

L23 13403 S 591.300/RID AND NC5-NC5/ES AND 1/NC

L24 12411 S L23 AND O>=1  
E CEPHALOSPORIN/CN

L25 1 S E3  
E CEPHALOSPORIN

L26 407 S E3

L27 115 S L26 NOT SQL/FA

L28 93 S L27 AND 1/NC

L29 77 S L28 NOT ASE

L30 59 S L29 NOT MAN/CI

L31 76652 S NC3-NCSC3/ES

L32 76621 S 191.74/RID AND L31

L33 57441 S L32 AND 1/NC

L34 50 S L33 AND L26

L35 2 S (ACYCLOVIR OR TAMIVIR OR PENCICLOVIR)/CN  
E TAMIVIR

L36 12 S (FARNESOL OR ECONAZOLE OR FLUCONASOLE OR CLOTRIMAZOLE OR KETO  
E FLUCON/CN

Jan Delaval  
Reference Librarian  
Biotechnology & Chemical Library  
CM1 1E07 - 703-308-4498  
jan.delaval@uspto.gov

L37 1 S E4  
       E CICLOPIROX/CN  
 L38 1 S E4  
       E METRONIDAZOLE/CN  
 L39 1 S E3  
 L40 5 S (HYDROCORTISONE OR FLUCINOLONE ACETONIDE OR HALCINONIDE OR HA  
       E FLUCINO/CN  
       E HALOBETASOL/CN  
 L41 1 S E4  
       E CLOBETASOL/CN  
 L42 1 S E7  
 L43 6 S (ASPIRIN OR IBUPROFEN OR KETOPROFEN OR NAPROXEN OR ZINC OR AL  
 L44 13246 S L2-L11, L13, L20, L21, L24, L25, L30, L34-L43  
 L45 705 S 7722-84-1/CRN  
 L46 0 S L44 AND L45  
 L47 0 S L45 AND L12, L14-L21, L23, L24, L26-L33  
 L48 13239 S L44 AND 1/NC

FILE 'HCAPLUS' ENTERED AT 13:43:45 ON 05 MAR 2003

L49 70013 S L11  
 L50 162146 S H2O2 OR HYDROGEN PEROXIDE  
 L51 163632 S L49, L50  
 L52 4248 S L44 AND L51  
 L53 3324 S L51 AND (ECHINAC? OR GOLDENSEAL OR GOLDEN SEAL OR BENZALKONIU  
 L54 1071 S L51 AND (TRICLOSAN OR IRGASAN OR NEOMYCIN OR POLYMYXIN OR BAC  
 L55 8 S L51 AND (ACYCLOVIR OR ACICLOVIR OR PENCICLOVIR OR PENCYCLOVIR  
 L56 0 S TAMIVIR  
 L57 0 S L51 AND ?AMIVIR?  
 L58 81 S L51 AND (FARNESOL OR ECONAZOLE OR FLUCONAZOLE OR CLOTRIMAZOLE  
 L59 1364 S L51 AND (SULCONAZOLE OR TERBINAFINE() (HCL OR HYDROCHLORIDE) O  
 L60 202 S L51 AND (BETAMETHASONE DIPROPIONATE OR BETAMETHASONE VALERATE  
 L61 8017 S L51 AND (WILLOWROOT OR WILLOW ROOT OR ZINC OR ZN OR ALLANTOIN  
 L62 1820 S L51 AND (ANTIMICROB? OR ANTIBACTER? OR ANTIFUNG? OR ANTIVIR?  
       E ANTIMICROB/CT  
       E E6+ALL  
 L63 2140 S L51 AND E4+NT  
       E ANTIBACTERIAL/CT  
       E E4+ALL  
 L64 1416 S L51 AND E12-E14, E11+NT  
 L65 109 S L51 AND E55-E57, E60, E82  
       E ANTIVIRAL/CT  
       E E5+ALL  
 L66 196 S L51 AND E10, E11, E9+NT  
 L67 10 S L51 AND E24  
       E ANTHELMINTIC/CT  
       E E6+ALL  
 L68 53 S L51 AND E12+NT  
 L69 16474 S L52-L68  
       E INFLAMMATION/CT  
 L70 244 S L51 AND E19, E24  
       E E19+ALL  
       E E2+ALL  
 L71 228 S L51 AND E3+NT  
       E NONSTEROID/CT  
       E E5+ALL  
 L72 26 S L51 AND E2  
       E STEROID/CT  
 L73 2145 S L51 AND E70+NT  
 L74 444 S ANTI-INFLAMMATORY AGENTS/CT (L) STEROID?  
 L75 3 S L51 AND L74  
 L76 18414 S L69-L75  
 L77 114 S L76 AND MOISTUR?  
 L78 256 S L76 AND (SCALP? OR HAIR OR NAIL OR FINGERNAIL OR ?PSORIA? OR

		E PSORIASIS/CT
		E E3+ALL
L79	30	S L76 AND E4+NT
L80	34	S L76 AND E4,E5/BI
		E FOLLICULITIS/CT
		E FOLLIC/CT
		E E8+ALL
L81	1	S L76 AND E2
		E ROSACEA/CT
L82	0	S L76 AND E4
		E ACNE/CT
		E E6+ALL
L83	3	S L76 AND E2
		E NAIL/CT
		E E4+ALL
L84	9	S L76 AND E9,E10,E8+NT
		E DERMATITIS/CT
		E E3+ALL
L85	39	S L76 AND E6+NT
		E SEBORRH/CT
		E E4+ALL
L86	9	S L76 AND E5,E4+NT
		E DANDRUFF/CT
		E E3+ALL
L87	4	S L76 AND E4+NT
		E IMPETIGO/CT
		E E4+ALL
L88	4	S L76 AND E2
		E ANTIPSORIA/CT
		E ANTI-PSORIA/CT
		E ANTISEBOR/CT
		E ANTI-SEBOR/CT
		E ANTIDANDRÜF/CT
		E E5+ALL
L89	0	S L76 AND E2
L90	257	S L78-L88
L91	8	S L90 AND L77
		E MURAD H/AU
L92	28	S E3,E4,E7
L93	4	S L92 AND L51
L94	9	S L91,L93
L95	24	S L92 NOT L94
		SEL DN AN 2 4 5 6 8 9 10 11
L96	8	S L95 AND E1-E22
L97	17	S L94,L96 AND L49-L96
		E HAIR/CT
		E E3+ALL
L98	22426	S E6,E5+NT
		E E15+ALL
L99	18078	S E2+NT
L100	129	S L76 AND L98,L99
L101	6	S L100 AND L77
L102	17	S L97,L101
L103	5	S L102 NOT L92
L104	12	S L102 NOT L103

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 14:17:43 ON 05 MAR 2003

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FILE COVERS 1907 - 5 Mar 2003 VOL 138 ISS 10  
FILE LAST UPDATED: 4 Mar 2003 (20030304/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 1104 all tot

L104 ANSWER 1 OF 12 HCAPLUS COPYRIGHT 2003 ACS  
AN 2003:23346 HCAPLUS  
DN 138:78489  
TI Pharmaceutical compositions and methods for managing  
dermatological conditions  
IN Murad, Howard  
PA USA  
SO U.S. Pat. Appl. Publ., 24 pp., Cont.-in-part of U.S. Pat. Appl. 2002  
54,918.  
CODEN: USXXCO  
DT Patent  
LA English  
IC ICM A61K033-40  
ICS A61K007-04; A61K007-06  
NCL 424061000; 424070100; 424616000  
CC 63-6 (Pharmaceuticals)  
Section cross-reference(s): 62

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003007939	A1	20030109	US 2002-77928	20020220
	US 6071541	A	20000606	US 1999-330127	19990611
	US 6296880	B1	20011002	US 2000-549202	20000413
	US 2002041901	A1	20020411	US 2001-878231	20010612
	US 6383523	B1	20020507		
	US 2002054918	A1	20020509	US 2001-953431	20010917
PRAI	US 1998-94775P	P	19980731		
	US 1999-330127	A2	19990611		
	US 2000-549202	A1	20000413		
	US 2001-878231	A2	20010612		
	US 2001-953431	A2	20010917		
AB	A pharmaceutical compn. for treating, preventing and managing conditions of skin, hair and nails, comprises (i) hydrogen peroxide for cleansing dermatol. surface without irritation, (ii) a moisturizing agent to facilitate hydration or prevent moisture loss, and (iii) one or more dermatol. agents selected from antimicrobial and anti-inflammatory agents are described. For example, a skin cleanser with antifungal and antibacterial agents was prep'd. comprising (by wt.): Part A contg. water 50%, trisodium EDTA 0.2%, sodium laureth-13 Carboxylate 10%, disodium laureth sulfosuccinate 17%, disodium cocoamphodiacetate 11%, PEG-150 pentaerythrityl tetrastearate 1.5%, PEG-150 distearate 0.7%, and methylparaben 0.2%; Part B contg. clotrimazole 0.8%, citric acid 1.5%, and triclosan 0.3%;				

Part C contg. PPG-26-Buteth-26 and PEG-40 hydrogenated castor oil 2%, fragrance 0.3%, and menthol 0.1%; Part D contg. butylene glycol, water, and black cohosh ext. 0.1%, butylene glycol, water, Camellia oleifera ext. 0.1%, sodium peroxylinecarbolic acid 0.2%, cocamidopropyl PG-dimonium chloride phosphate 1%; and Part E contg. 35 **hydrogen peroxide** 3%. Ingredients were mixed resulting in a colorless, clear, slightly viscous fluid having a pH at 25.degree. of 4-6 and a viscosity of 3000-4000 cps.

ST **hydrogen peroxide antimicrobial**  
antiinflammatory skin prepn; cosmetic topical **antimicrobial**  
antiinflammatory **hydrogen peroxide**; hair  
prepn **antimicrobial** antiinflammatory **hydrogen peroxide**

IT Quaternary ammonium compounds, biological studies  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)  
(alkylbenzyldimethyl, chlorides; compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Natural products, pharmaceutical  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(aloe; compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Surfactants  
(amphoteric; compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Hawthorn (Crataegus)  
(berry exts.; compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Cosmetics  
(cleansing; compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Acne  
Anthelmintics  
Antibacterial agents  
Antioxidants  
Antiviral agents  
Cosmetics  
Dandruff  
Dermatitis  
Hair preparations  
Immunostimulants  
Psoriasis  
Seborrhea  
Skin, disease  
Skin preparations (pharmaceutical)  
(compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Steroids, biological studies  
Sulfonamides  
Tetracyclines  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing **dermatol.** conditions)

IT Human  
(compns. contg. **hydrogen peroxide** and **antimicrobial** and/or anti-inflammatory agents for managing

dermatol. conditions in humans)

IT **Scalp**  
(disease; compns. contg. **hydrogen peroxide** and  
**antimicrobial** and/or anti-inflammatory agents for managing  
dermatol. conditions)

IT Acids, biological studies  
Enzymes, biological studies  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
USES (Uses)  
(exfoliants; compns. contg. **hydrogen peroxide** and  
**antimicrobial** and/or anti-inflammatory agents for managing  
dermatol. conditions)

IT **Echinacea**  
**Golden seal** (Hydrastis)  
(exts., **antimicrobial**; compns. contg. **hydrogen**  
**peroxide** and **antimicrobial** and/or anti-inflammatory  
agents for managing **dermatol.** conditions)

IT Arnica montana  
Black cohosh  
Bupleurum  
Ginger  
Morinda citrifolia  
**Pomegranate**  
Poria cocos  
Ranunculus ficaria  
Rosemary  
Rumex crispus  
Soybean (Glycine max)  
(exts.; compns. contg. **hydrogen peroxide** and  
**antimicrobial** and/or anti-inflammatory agents for managing  
dermatol. conditions)

IT **Hair**  
(follicle, folliculitis; compns. contg.  
**hydrogen peroxide** and **antimicrobial** and/or  
anti-inflammatory agents for managing **dermatol.** conditions)

IT **Tea products**  
(green, ext. of, green tea ext.; compns.  
contg. **hydrogen peroxide** and **antimicrobial**  
and/or anti-inflammatory agents for managing **dermatol.**  
conditions)

IT **Skin, disease**  
(impetigo; compns. contg. **hydrogen peroxide**  
and **antimicrobial** and/or anti-inflammatory agents for  
managing **dermatol.** conditions)

IT **Nail (anatomical)**  
(infection, fungal; compns. contg. **hydrogen peroxide**  
and **antimicrobial** and/or anti-inflammatory agents for  
managing **dermatol.** conditions)

IT Natural products, pharmaceutical  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(licorice; compns. contg. **hydrogen peroxide**  
and **antimicrobial** and/or anti-inflammatory agents for  
managing **dermatol.** conditions)

IT Cosmetics  
(lotions; compns. contg. **hydrogen peroxide** and  
**antimicrobial** and/or anti-inflammatory agents for managing  
dermatol. conditions)

IT Perfumes  
(myrrh; compns. contg. **hydrogen peroxide** and  
**antimicrobial** and/or anti-inflammatory agents for managing  
dermatol. conditions)

IT Phenols, biological studies  
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

## USES (Uses)

(**polyphenols**, **nonpolymeric, antimicrobial**; **compns.**  
**contg. hydrogen peroxide and antimicrobial**  
**and/or anti-inflammatory agents for managing dermatol.**  
**conditions**)

## IT Antibiotics

(**quinolone**; **compns. contg. hydrogen**  
**peroxide and antimicrobial and/or anti-inflammatory**  
**agents for managing dermatol. conditions**)

## IT Gentian (Gentiana)

Marshmallow (Althaea officinalis)

Willow (Salix)

Yam (Dioscorea)

(**root exts.**; **compns. contg. hydrogen peroxide and**  
**antimicrobial and/or anti-inflammatory agents for managing**  
**dermatol. conditions**)

## IT Skin, disease

(**rosacea**; **compns. contg. hydrogen peroxide**  
**and antimicrobial and/or anti-inflammatory agents for**  
**managing dermatol. conditions**)

## IT Grape

(**seed exts.**; **compns. contg. hydrogen**  
**peroxide and antimicrobial and/or anti-inflammatory**  
**agents for managing dermatol. conditions**)

## IT Drug delivery systems

(**topical**; **compns. contg. hydrogen peroxide and**  
**antimicrobial and/or anti-inflammatory agents for managing**  
**dermatol. conditions**)

IT 68-26-8, Retinol 69-72-7, Salicylic Acid, biological studies 79-14-1,  
 Glycolic acid, biological studies 121-54-0, **Benzethonium**

**chloride** 557-34-6, Zinc acetate 1314-13-2,

Zinc Oxide, biological studies 3380-34-5,

Triclosan 7553-56-2, Iodine, biological

studies 7704-34-9, Sulfur, biological studies 7722-84-1,

Hydrogen peroxide, biological studies 12001-79-5,

Vitamin K 23593-75-1, Clotrimazole 68797-35-3,

Dipotassium glycyrrhizate 106716-27-2, Amphosol CA

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)

(**compns. contg. hydrogen peroxide and**  
**antimicrobial and/or anti-inflammatory agents for managing**  
**dermatol. conditions**)

## IT 50-23-7, Hydrocortisone 50-78-2,

Aspirin 67-73-2, Fluocinolone acetonide 76-25-5

, Triamcinolone acetonide 94-36-0, **Benzoyl**

peroxide, biological studies 97-59-6, Allantoin

112-38-9, Undecylenic acid 443-48-1,

Metronidazole 557-08-4, Zinc

undecylenate 1322-14-1, Calcium

undecylenate 1400-61-9, Nystatin

1404-04-2, Neomycin 1405-87-4,

Bacitracin 1406-05-9, Penicillin

1406-11-7, Polymyxin 2152-44-5,

Betamethasone valerate 3093-35-4,

Halcinonide 4602-84-0, Farnesol

5593-20-4, Betamethasone dipropionate

7440-66-6, Zinc, biological studies 11111-12-9

, Cephalosporin 15687-27-1, Ibuprofen

18323-44-9, Clindamycin 22071-15-4,

Ketoprofen 22204-53-1, Naproxen

22832-87-7, Miconazole nitrate

25122-46-7, Clobetasol propionate

27220-47-9, Econazole 41621-49-2,

Ciclopirox olamine 61318-90-9,  
 Sulconazole 65277-42-1, Ketoconazole  
 66852-54-8, Halobetasol propionate  
 78628-80-5, Terbinafine hydrochloride  
 86386-73-4, Fluconazole 101827-46-7,  
 Butenafine hydrochloride

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (compns. contg. **hydrogen peroxide** and  
**antimicrobial** and/or anti-inflammatory agents for managing  
**dermatol.** conditions)

IT 77-92-9, Citric acid, uses

RL: MOA (Modifier or additive use); USES (Uses)  
 (**hydrogen peroxide** stabilizer; compns. contg.  
**hydrogen peroxide** and **antimicrobial** and/or  
 anti-inflammatory agents for managing **dermatol.** conditions)

IT 13721-01-2D, derivs., antibiotics

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (**quinolone** antibiotics; compns. contg. **hydrogen**  
**peroxide** and **antimicrobial** and/or anti-inflammatory  
 agents for managing **dermatol.** conditions)

L104 ANSWER 2 OF 12 HCAPLUS COPYRIGHT 2003 ACS

AN 2002:695777 HCAPLUS

DN 137:237720

TI Organic acid and herbal drug compositions for treating dermatological disorders

IN Murad, Howard

PA USA

SO PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K031-366

ICS A61K031-192; A61K035-78; A61K047-48; A61P017-00

CC 63-6 (Pharmaceuticals)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002069963	A2	20020912	WO 2002-US6091	20020227
	WO 2002069963	A3	20021114		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
	US 2002127256	A1	20020912	US 2002-80717	20020225

PRAI US 2001-272046P P 20010301

AB The invention relates to dermatol. agents and methods for treating dermatol. disorders. The dermatol. agents include a therapeutically effective amt. of at least one acid selected from ellagic acid, ferulic acid, caffeic acid, or tannic acid in an amt. sufficient to strengthen cell membranes in the skin. The at least one acid is preferably combined with at least one of a moisturizing agent, an anti-inflammatory component, an immunity boosting component or an addnl. anti-oxidant, and a pharmaceutically acceptable carrier.

ST skin disorder compn org acid

IT Hawthorn (Crataegus)  
 (berry ext.; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Fats and Glyceridic oils, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(borage seed; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Amino acids, biological studies  
RL: NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(hair keratin; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Tocopherols  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(linoleate; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Perfumes  
(myrrh; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Drug delivery systems  
(oral; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Aloe barbadensis  
Antimicrobial agents  
Arnica  
Black cohosh  
Bupleurum  
Chamomile  
Gentian (Gentiana)  
Ginger  
Ginkgo biloba  
Licorice (Glycyrrhiza)  
Poria cocos  
Ranunculus ficaria  
Rosemary  
Rumex crispus  
Skin, disease  
Soybean (Glycine max)  
Yam (Dioscorea)  
(org. acid and herbal drug compns. for treating dermatol. disorders)

IT Carboxylic acids, biological studies  
Ceramides  
Linseed oil  
Natural products, pharmaceutical  
Proteins  
Steroids, biological studies  
Tannins  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(org. acid and herbal drug compns. for treating dermatol. disorders)

IT Fats and Glyceridic oils, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(primrose; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Willow (Salix)  
(root, Canadian; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Marshmallow (Althaea officinalis robusta)  
(root; org. acid and herbal drug compns. for treating dermatol. disorders)

IT Drug delivery systems  
(topical; org. acid and herbal drug compns. for treating dermatol. disorders)

IT 50-21-5, Lactic acid, biological studies 50-23-7, Hydrocortisone  
50-81-7, Vitamin c, biological studies 56-81-5, Glycerol, biological  
studies 69-72-7, Salicylic acid, biological studies 77-92-9, Citric  
acid, biological studies 79-14-1, Glycolic acid, biological studies

97-59-6, Allantoin 117-39-5, Quercetin 331-39-5, Caffeic acid 616-91-1, N-Acetylcysteine 1135-24-6, Ferulic acid 7439-96-5D, Manganese, compds. 7440-50-8D, Copper, compds. 7440-66-6, Zinc, biological studies 9004-61-9, Hyaluronic acid 9006-65-9, Dimethicone 11103-57-4, Vitamin a 28874-51-3 65666-07-1, Silymarin  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (org. acid and herbal drug compns. for treating dermatol. disorders)

L104 ANSWER 3 OF 12 HCAPLUS COPYRIGHT 2003 ACS  
 AN 2002:353986 HCAPLUS

DN 136:359653

TI Pharmaceutical compositions for managing skin conditions

IN **Murad, Howard**

PA USA

SO U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S. 878,231.  
 CODEN: USXXCO

DT Patent

LA English

IC ICM A61K033-40

ICS A61K035-78

NCL 424616000

CC 63-6 (Pharmaceuticals)

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002054918	A1	20020509	US 2001-953431	20010917
	US 2002041901	A1	20020411	US 2001-878231	20010612
	US 6383523	B1	20020507		
	US 2003007939	A1	20030109	US 2002-77928	20020220
PRAI	US 2001-878231	A2	20010612		
	US 1998-94775P	P	19980731		
	US 1999-330127	A2	19990611		
	US 2000-549202	A1	20000413		
	US 2001-953431	A2	20010917		

AB This application relates to a pharmaceutical compn. and methods for treating inflammatory skin conditions. The compns. include **hydrogen peroxide**, 1 or more **moisturizing** agents, and an anti-inflammatory agent. The pharmaceutical compns. may optionally include 1 or more exfoliants. The compns. can be used to treat inflammatory skin conditions such as **dermatitis**, including, but not limited to **seborrheic dermatitis**, nummular **dermatitis**, contact **dermatitis**, atopic **dermatitis**, exfoliative **dermatitis**, and stasis **dermatitis**; **psoriasis**; **folliculitis**; **rosacea**; **acne**; **impetigo**; **erysipelas**; **paronychia**, **erythrasma**; and **eczema**. A skin cleanser formulation contained water 49.2, trisodium EDTA 10, Mackanate EL 17, Monateric CDX-38 11, Crothix 1.5, Kessco PEG-6000 DS 0.7, methylparaben 0.2, salicylic acid 1.6, citric acid 1.5, Irgasan DP-300 0.3, Solibilisant LR1 2, fragrance 0.3, menthol 0.1, butylene glycol 0.1, Snakeroot BG50 0.1, Ajidew-50 0.2, Phospholipid PTC 1, and 35% H<sub>2</sub>O<sub>2</sub> soln. 3%.

ST pharmaceutical **hydrogen peroxide** skin disorder

IT Surfactants

(amphoteric; pharmaceutical compns. for managing skin conditions)

IT **Dermatitis**

(atopic; pharmaceutical compns. for managing skin conditions)

IT Fats and Glyceridic oils, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(borage seed; pharmaceutical compns. for managing skin conditions)

IT Cosmetics

(cleansing; pharmaceutical compns. for managing skin conditions)

IT Skin, disease

(erysipelas; pharmaceutical compns. for managing skin conditions)

IT Skin, disease  
(erythrasma; pharmaceutical compns. for managing skin conditions)

IT Fats and Glyceridic oils, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(fish, n-3 fatty acid-high; pharmaceutical compns. for managing skin conditions)

IT Fats and Glyceridic oils, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(fish, n-6 fatty acid-high; pharmaceutical compns. for managing skin conditions)

IT Hair  
(folliculitis; pharmaceutical compns. for managing skin conditions)

IT Carboxylic acids, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(hydroxy; pharmaceutical compns. for managing skin conditions)

IT Skin, disease  
(impetigo; pharmaceutical compns. for managing skin conditions)

IT Drug delivery systems  
(lotions; pharmaceutical compns. for managing skin conditions)

IT Cosmetics  
(moisturizers; pharmaceutical compns. for managing skin conditions)

IT Amino acids, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(of keratin; pharmaceutical compns. for managing skin conditions)

IT Acne

Analgesics

Anesthetics

Anti-inflammatory agents

Antibacterial agents

Antioxidants

Dermatitis

Eczema

Fungicides

Paronychia

Preservatives

Psoriasis

Seborrhea

Skin preparations (pharmaceutical)

Stabilizing agents  
(pharmaceutical compns. for managing skin conditions)

IT Ceramides

Keratins

Linseed oil

Tannins

Tocopherols  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(pharmaceutical compns. for managing skin conditions)

IT Fats and Glyceridic oils, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(primrose; pharmaceutical compns. for managing skin conditions)

IT Skin, disease  
(rosacea; pharmaceutical compns. for managing skin conditions)

IT Drug delivery systems  
(topical; pharmaceutical compns. for managing skin conditions)

IT Proteins  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(wheat; pharmaceutical compns. for managing skin conditions)

IT 7722-84-1, Hydrogen peroxide, biological studies

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pharmaceutical compns. for managing skin conditions)

IT 50-21-5, Lactic acid, biological studies 50-78-2,  
**Aspirin** 56-81-5, Glycerin, biological studies 60-33-3,  
 Linoleic acid, biological studies 69-72-7, Salicylic acid, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 81-13-0, Panthenol 9004-61-9, Hyaluronic acid 9006-65-9, Dimethicone 15687-27-1, **Ibuprofen** 22071-15-4, **Ketoprofen** 22204-53-1,  
**Naproxen** 28874-51-3 51744-92-4

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pharmaceutical compns. for managing skin conditions)

L104 ANSWER 4 OF 12 HCAPLUS COPYRIGHT 2003 ACS

AN 2001:719000 HCAPLUS

DN 135:262277

TI Pharmaceutical compositions and methods for managing skin conditions

IN **Murad, Howard**

PA USA

SO U.S., 18 pp., Cont.-in-part of U.S. 6,071,541.

CODEN: USXXAM

DT Patent

LA English

IC ICM A61K033-40

ICS A61K031-495; A61K031-35; A61K031-045

NCL 424616000

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 1, 62

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6296880	B1	20011002	US 2000-549202	20000413
	US 6071541	A	20000606	US 1999-330127	19990611
	US 2002041901	A1	20020411	US 2001-878231	20010612
	US 6383523	B1	20020507		
	US 2003007939	A1	20030109	US 2002-77928	20020220
	US 2002172719	A1	20021121	US 2002-93443	20020311
PRAI	US 1998-94775P	P	19980731		
	US 1999-330127	A2	19990611		
	US 2000-549202	A1	20000413		
	US 2001-878231	A2	20010612		
	US 2001-953431	A2	20010917		

AB This application relates to a stable pharmaceutical compn. and methods for the cleansing of skin to facilitate the prevention, treatment, and management of skin conditions, such as **seborrheic dermatitis, psoriasis, folliculitis, rosacea, perioral dermatitis, acne, impetigo** and other inflammatory skin conditions, and the like, including a sufficient amt. of an acidic component of a hydroxyacid or tannic acid, or a pharmaceutically acceptable salt thereof, to exfoliate a portion of the skin, a sufficient amt. of stabilized H2O2 to facilitate cleansing of the skin without substantial irritation thereof, and an antimicrobial agent including at least one of an **antibacterial agent, antimicrobial agent, antiviral agent, anthelmintic**, or a combination thereof, in an amt. sufficient to inhibit or reduce microorganisms on the skin.

ST skin disease treatment hydroxycarboxylate peroxide **antiviral**

IT Surfactants

(amphoteric; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Cosmetics

(cleansing; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Drug delivery systems  
(emulsions, topical; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Drug delivery systems  
(gels, topical; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Carboxylic acids, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(hydroxy; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Skin, disease  
(**impetigo**; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Drug delivery systems  
(lotions; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Drug delivery systems  
(ointments, creams; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Drug delivery systems  
(ointments; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Skin, disease  
(**pseudofolliculitis barbae**; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Skin, disease  
(**rosacea**; topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Acne  
**Anthelmintics**  
**Anti-inflammatory agents**  
**Antibacterial agents**  
**Antioxidants**  
**Antiviral agents**  
**Dermatitis**  
**Fungicides**  
**Psoriasis**  
**Seborrhea**  
(topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT Tannins  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(topical compns. for managing skin conditions contg. acids and **hydrogen peroxide** and **antivirals** and other actives)

IT 50-21-5, Lactic acid, biological studies 68-26-8, Retinol 69-72-7, Salicylic acid, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 557-34-6, Zinc acetate 1314-13-2, Zinc oxide, biological studies 3380-34-5, Triclosan 7704-34-9, Sulfur, biological

studies 7722-84-1, **Hydrogen peroxide**,  
 biological studies 23593-75-1, **Clotrimazole**  
 39809-25-1, **Penciclovir** 41621-49-2,  
**Ciclopirox olamine** 59277-89-3,  
**Acyclovir** 68797-35-3, **Dipotassium glycyrrhizate**  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (topical compns. for managing skin conditions contg. acids and  
**hydrogen peroxide** and **antivirals** and other  
 actives)

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Af Ekenstam; US 4557935 1985 HCPLUS
- (2) Anon; GB 1135643 1968 HCPLUS
- (3) Anon; GB 2076286 A 1981 HCPLUS
- (4) Anon; CA 1174976 1984 HCPLUS
- (5) Anon; EP 0191214 A2 1986 HCPLUS
- (6) Anon; GB 2189294 B 1987
- (7) Anon; EP 2250539 B1 1991
- (8) Anon; EP 0425504 B1 1995 HCPLUS
- (9) Bansemir; US 4900721 1990 HCPLUS
- (10) Barton; US 5695745 1997 HCPLUS
- (11) Bowing; US 4051058 1977 HCPLUS
- (12) Bowing; US 4051059 1977 HCPLUS
- (13) Burke; US 5296215 1994 HCPLUS
- (14) Burke; US 5693318 1997
- (15) Claeys; US 4203765 1980
- (16) Cook; US 5008030 1991 HCPLUS
- (17) Devillez; US 5958984 1999 HCPLUS
- (18) Dresdner; US 5357636 1994
- (19) Ganci; US 4438102 1984 HCPLUS
- (20) Hall; US 5547990 1996 HCPLUS
- (21) Hopkins; US 4534945 1985 HCPLUS
- (22) Jarrett; US 5593952 1997 HCPLUS
- (23) Mills, O; Semin Dermatol 1982, P233
- (24) Newell; US 3297456 1967 HCPLUS
- (25) Oliver; US 5869062 1999 HCPLUS
- (26) Schmidt; US 5139788 1992 HCPLUS
- (27) Scholz; US 5951993 1999 HCPLUS
- (28) Sioufi; J of pharm Sciences 1977, V66/8, P1166
- (29) Yu; US 5641475 1997 HCPLUS

L104 ANSWER 5 OF 12 HCPLUS COPYRIGHT 2003 ACS

AN 2001:384405 HCPLUS

DN 135:136841

TI The effect of an oral supplement containing glucosamine, amino acids, minerals, and antioxidants on cutaneous aging: A preliminary study

AU Murad, H.; Tabibian, Michael P.

CS El Segundo, CA, USA

SO Journal of Dermatological Treatment (2001), 12(1), 47-51

CODEN: JDTREY; ISSN: 0954-6634

PB Martin Dunitz Ltd.

DT Journal

LA English

CC 18-7 (Animal Nutrition)

AB Alterations in collagen, elastin, and glycosaminoglycans contribute to cutaneous changes seen in aging skin. A randomized, controlled, single-blind study was conducted with 53 female volunteers who were supplied with an oral supplement contg. glucosamine, amino acids, minerals, and various antioxidant compds. Hydration properties of the skin as well as textural anal. of the women's fine lines and wrinkles were assessed following 5 wk intake of the oral supplement and results were compared with those of a control group of 12 individuals who did not take the supplement. There was a statistically significant redn. (34%) in the

no. of visible wrinkles as measured by the silflo replicas ( $P < 0.01$ ) and a redn. (34%) in the no. of fine lines ( $P < 0.06$ ) in the group of women who took the supplement. No significant changes in epidermal hydration were obsd. in either the control or study groups. The use of an oral supplement contg. glucosamine, minerals, and various antioxidant compds. can potentially improve the appearance of visible wrinkles and fine lines. It does not, however, affect epidermal hydration.

ST nutrition supplement glucosamine antioxidant skin aging; mineral amino acid supplement skin aging

IT Aging, animal

Antioxidants

Nutrition, animal

Skin

(effect of an oral supplement on cutaneous aging)

IT Amino acids, biological studies

Mineral elements, biological studies

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(effect of an oral supplement on cutaneous aging)

IT Diet

(supplements; effect of an oral supplement on cutaneous aging)

IT 3416-24-8, glucosamine

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(effect of an oral supplement on cutaneous aging)

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Asman, B; J Clin Periodontol 1994, V21, P45 MEDLINE
- (2) Cerimele, D; Br J Dermatol 1990, V122, P13
- (3) Costanzo, L; J Inorg Biochem 1995, V57, P115 HCPLUS
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- (5) Fenske, N; J Am Acad Dermatol 1986, V15, P571 MEDLINE
- (6) Ghersetich, I; Int J Dermatol 1994, V33, P119 MEDLINE
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- (10) Masquelier, J; Parfums, cosmétiques et arômes 1990, V95, P89
- (11) Montagna, W; J Invest Dermatol 1979, V73, P47 MEDLINE
- (12) Oyama, Y; Brain Res 1994, V635, P125 HCPLUS
- (13) Parat, M; Free Radic Res 1995, V23, P339 HCPLUS
- (14) Plathak, M; Photochem Photobiol 1988, V47, P74S
- (15) Rongioletti, F; Dermatology 1995, V19, P19
- (16) Rosenbloom, J; Dermatol Foundation 1996, V30, P1
- (17) Sies, H; Am Rev Respir Dis 1987, V136, P478 HCPLUS
- (18) Tanaka, H; Arch Dermatol Res 1993, V285, P352 HCPLUS
- (19) Voorhees, J; J Int Med Res 1990, V18, P26

L104 ANSWER 6 OF 12 HCPLUS COPYRIGHT 2003 ACS

AN 2001:152445 HCPLUS

DN 134:212691

TI Pharmaceutical compositions containing sugars for reducing the appearance of cellulite

IN Murad, Howard

PA USA

SO PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K007-00

CC 63-5 (Pharmaceuticals)

Section cross-reference(s): 62

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO. DATE

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PI WO 2001013865 A1 20010301 WO 2000-US22790 20000818  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
 HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,  
 ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1207840 A1 20020529 EP 2000-957590 20000818  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL

JP 2003507400 T2 20030225 JP 2001-518005 20000818  
 US 2002137691 A1 20020926 US 2002-51189 20020122

PRAI US 1999-150034P P 19990820  
 US 2000-641376 A3 20000818  
 WO 2000-US22790 W 20000818

AB Comps. and methods for reducing or eliminating the appearance of cellulite involves administering to a patient in need of treatment therapeutically effective amts. of a sugar compd. that is converted to a glycosaminoglycan in the patient in an amt. sufficient to thicken the skin, a primary antioxidant component in an amt. sufficient to substantially inhibit the formation of collagenase and elastase, at least one amino acid component in an amt. sufficient to assist in the thickening of the skin, and at least one transition metal component in an amt. effective to bind collagen and elastic fibers and thicken skin so as to reduce or eliminate the appearance of cellulite. A preferred method of treatment further includes administering the components above in conjunction with a vascular dilator to improve blood supply to the skin and/or a fat burner to reduce absorption or digestion of fat in the digestive tract or to prevent the prodn. of fat. The compns. and methods may optionally include chromium picolinate to facilitate entry of sugar into cells to improve fat metab. In one embodiment, these methods encompass administering the amts. as a pharmaceutical compn.

ST cellulite redn pharmaceutical sugar

IT Collagens, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (binding of; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Drug delivery systems  
 (capsules; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Skin  
 (cellulite; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Drug delivery systems  
 (oral; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Ginkgo biloba  
 Ginseng (Panax)  
 Vasodilators  
 (pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Glycosaminoglycans, biological studies  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Amino acids, biological studies  
 Carbohydrates, biological studies  
 Tannins  
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);

THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Antioxidants  
 (pharmaceutical; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Drug delivery systems  
 (tablets; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT Drug delivery systems  
 (topical; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT 9001-12-1, Collagenase 9004-06-2, Elastase  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (inhibitors; pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT 50-81-7, Ascorbic acid, biological studies 56-87-1, L-Lysine, biological studies 63-91-2, L-Phenylalanine, biological studies 98-98-6D, Picolinic acid, complex with chromium 147-85-3, L-Proline, biological studies 616-91-1, N-Acetylcysteine 1398-61-4, Chitin 7440-47-3D, Chromium, complex with picolinic acid, biological studies 7512-17-6, N-Acetylglucosamine 9007-28-7, Chondroitin sulfate 27750-10-3, Hydroxycitric acid 29031-19-4, D-Glucosamine sulfate  
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

IT 69-72-7, Salicylic acid, biological studies  
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pharmaceutical compns. contg. sugars for reducing the appearance of cellulite)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Bissett; US 6093411 A 2000 HCPLUS
- (2) Bissett, D; US 5962482 A 1999 HCPLUS
- (3) Cho; US 5529769 A 1996 HCPLUS

L104 ANSWER 7 OF 12 HCPLUS COPYRIGHT 2003 ACS

AN 2000:769191 HCPLUS

TI Methods and compositions for treating dermatological disorders with fruitextracts

IN Murad, Howard

PA USA

SO PCT Int. Appl.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K039-385

ICS A61K007-00

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000064472	A1	20001102	WO 2000-US9625	20000410
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI US 1999-130713P P 19990422  
 US 2000-501217 A 20000210  
 US 2000-501218 A 20000210

AB This application relates to methods and compositions for treating dermatological disorders. The method include administering a therapeutically effective amount of at least one fruit extract in an amount sufficient to neutralize free radicals, and a pharmaceutically acceptable carrier. The compositions include a therapeutically effective amount of at least one fruit extract in an amount sufficient to neutralize free radicals, a moisturizing agent in an amount sufficient to facilitate hydration of the skin, and a pharmaceutically acceptable carrier. Preferred fruit extracts include extracts from apricots, apples, peaches, pears, pineapples, papayas, pomegranates, cherries, kiwis, tangerines and oranges. The most preferred extract is extract from pomegranate.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Albeck; US 5124167 A 1992 HCPLUS
- (2) Ishida; US 5141741 A 1992 HCPLUS
- (3) Lansky; US 5891440 A 1999

L104 ANSWER 8 OF 12 HCPLUS COPYRIGHT 2003 ACS

AN 2000:98301 HCPLUS

DN 132:141692

TI Hair compositions containing hydroxy acids for managing scalp diseases

IN Murad, Howard

PA USA

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K031-07

ICS A61K031-19; A61K031-35; A61K031-44; A61K031-075

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000006144	A1	20000210	WO 1999-US16866	19990726
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6207694	B1	20010327	US 1998-123484	19980727
	AU 9952303	A1	20000221	AU 1999-52303	19990726
	US 6271246	B1	20010807	US 1999-368078	19990803
	US 2002009423	A1	20020124	US 2001-920729	20010803
	US 6515007	B2	20030204		
PRAI	US 1998-123484	A	19980727		
	WO 1999-US16866	W	19990726		
	US 1999-368078	A3	19990803		

AB This application relates to a compn. for the prevention, treatment, and management of scalp conditions, such as dandruff, seborrheic dermatitis, psoriasis, folliculitis, and hair thinning including a therapeutically effective amt. of an acidic component of a hydroxy acid or tannic acid, or a pharmaceutically acceptable salt thereof. A preferred anti-dandruff compn. and method of managing dandruff includes a therapeutically effective amt. of the acid component, a vitamin A component, and an anti-growth agent. A preferred anti-hair thinning compn. and method of managing thinning hair includes a therapeutically effective amt. of the

acidic component, a niacin component present in an amt. sufficient to locally increase blood circulation, and a 5-.alpha. reductase inhibitor. The invention also relates to a method of treating chem. processed hair by administering to a patient an amt. of an acidic component of a hydroxy acid or tannic acid, or a pharmaceutically acceptable salt thereof, in an amt. sufficient to essentially close the cuticle and inhibit modification of the chem. processed hair. An anti-dandruff shampoo contained water 47, guar hydroxypropyltrimonium 0.1, glycolic acid 1.5, methylparaben 0.2, sodium laureth sulfate 28, glycol distearate 1, cocamidopropyl betaine 5, lauramide diethanolamine 2, salicylic acid 1.2, sodium laureth sulfate 10, allantoin 0.1, panthenol 0.3, dimethicone and laureth-4, and laureth-23 0.05, clotrimazole 0.5, denatured alc. 1.5, glycolic acid 0.15, phenoxyethanol 0.7, methylchloroisothiazolinone and methylisothiazolinone 0.05, retinyl palmitate 0.02, tocopherol 0.02, benzophenone-4 0.1, FE&C green no-3 0.02, ext. D&C violet no-2 0.2, and fragrance 0.3%.

ST hair compn hydroxy acid scalp disease; antidandruff shampoo glycolic acid  
IT Shampoos  
(antidandruff; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Hair preparations  
(creams; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Scalp  
(disease; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Hair preparations  
(emulsions; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Hair préparations  
(gels; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Anti-inflammatory agents  
Antibacterial agents  
Antioxidants  
Circulation  
Dandruff  
Dyes  
Fungicides  
Preservatives  
Psoriasis  
Seborrhea  
Stabilizing agents  
(hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Tannins  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(hydroxy; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Yeast  
(inhibitors; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Hair preparations  
(lotions; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Cosmetics  
(moisturizers; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Hair preparations  
(sponges and ointments; hair compns. contg. hydroxy acids for managing scalp diseases)  
IT Hair preparations

(sprays; hair compns. contg. hydroxy acids for managing scalp diseases)  
 IT 58-22-0, Testosterone 521-18-6, Dihydrotestosterone  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (hair compns. contg. hydroxy acids for managing scalp diseases)  
 IT 50-21-5, Lactic acid, biological studies 59-67-6, Niacin, biological  
 studies 68-26-8, Vitamin a 69-72-7, Salicylic acid, biological studies  
 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid,  
 biological studies 614-18-6, Ethyl nicotinate 11103-57-4, Vitamin A  
 23593-75-1, Clotrimazole 98319-26-7, Finasteride  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (hair compns. contg. hydroxy acids for managing scalp diseases)  
 IT 9081-34-9, 5.alpha. Reductase  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (inhibitors; hair compns. contg. hydroxy acids for managing scalp  
 diseases)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

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- (3) Dascalu, A; WO 9629045 A1 HCPLUS
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L104 ANSWER 9 OF 12 HCPLUS COPYRIGHT 2003 ACS

AN 2000:98263 HCPLUS  
 DN 132:141966

TI Pharmaceutical compositions containing hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease

IN Murad, Howard

PA USA

SO PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K007-48

ICS A61K033-40; A01N031-02; C11D003-48

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 1

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000006116	A1	20000210	WO 1999-US17339	19990730
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6071541	A	20000606	US 1999-330127	19990611
	AU 9952466	A1	20000221	AU 1999-52466	19990730
	EP 1100454	A1	20010523	EP 1999-937680	19990730
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	US 1998-94775P	P	19980731		

US 1999-330127 A 19990611  
 WO 1999-US17339 W 19990730

AB This application relates to a stable pharmaceutical compn. and methods for the cleansing of skin to facilitate the prevention, treatment, and management of skin conditions, such as **seborrheic dermatitis, psoriasis, folliculitis, rosacea, perioral dermatitis, acne, impetigo** and other inflammatory skin conditions, and the like, including a sufficient amt. of an acidic component of a hydroxyacid or tannic acid, or a pharmaceutically acceptable salt thereof, to exfoliate a portion of the skin, a sufficient amt. of stabilized **hydrogen peroxide** to facilitate cleansing of the skin without substantial irritation thereof, and an **antimicrobial** agent in an amt. sufficient to inhibit or reduce microorganisms on the skin. A skin cleanser compn. contained water 49.2, EDTA 0.2, Surfine WLL 10, disodium laureth sulfosuccinate 17, disodium cocoamphodiacetate 11, PEG-150 pentaerythrityl tetrastearate 1.5, PEG-150 distearate 0.7, Me paraben 0.2, salicylic acid 1.6, citric acid 1.5, **triclosan** 0.3, Solubilisant LR1 2, fragrance 0.3, menthol 0.1, Actiphyte of black sankeroot BG50 0.1, sodium peroxylinecarbolic acid 0.2, cocamidopropyl PG dimonium chloride phosphate 1, and 35% **hydrogen peroxide** 3%. Efficacy of the compn. in the treatment of acne is disclosed.

ST pharmaceutical hydroxy acid **antimicrobial** skin disease; **hydrogen peroxide antimicrobial** pharmaceutical skin disease

IT Drug delivery systems  
 (emulsions; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Drug delivery systems  
 (gels; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Carboxylic acids, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (hydroxy; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Skin, disease  
 (impetigo; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Drug delivery systems  
 (lotions; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Cosmetics  
 (moisturizers; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Drug delivery systems  
 (ointments, creams; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Drug delivery systems  
 (ointments; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)

IT Acne  
 Anti-inflammatory agents  
 Antibacterial agents  
 Antimicrobial agents  
 Antioxidants

**Dermatitis**  
 Dyes  
 Preservatives  
   **Psoriasis**  
   **Seborrhea**  
 Skin, disease  
 Stabilizing agents  
 Surfactants  
   (pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)  
 IT Tannins  
   RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
   (pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)  
 IT Drug delivery systems  
   (topical; pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)  
 IT 50-21-5, Lactic acid, biological studies 57-11-4, Stearic acid, biological studies 69-72-7, Salicylic acid, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 3380-34-5, **Triclosan** 7722-84-1, **Hydrogen peroxide**, biological studies  
   RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
   (pharmaceutical compns. contg. hydroxy acids, **hydrogen peroxide**, and **antimicrobial** agents for managing skin disease)  
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE  
 (1) Bansemir; US 4900721 A 1990 HCPLUS  
 (2) Burke; US 5296215 A 1994 HCPLUS  
 (3) Cook; US 5008030 A 1991 HCPLUS  
 (4) Hopkins; US 4534945 A 1985 HCPLUS  
 (5) Schmidt; US 5139788 A 1992 HCPLUS  
 (6) Sioufi; J Of Pharm Sciences 1977, V66(8), P1166 HCPLUS  
 (7) Yu; US 5641475 A 1997 HCPLUS

L104 ANSWER 10 OF 12 HCPLUS COPYRIGHT 2003 ACS  
 AN 1999:633299 HCPLUS  
 DN 131:276962  
 TI Pharmaceutical compositions containing a zinc compound or vitamin A for treating acne  
 IN Murad, Howard  
 PA USA  
 SO U.S., 9 pp.  
   CODEN: USXXAM  
 DT Patent  
 LA English  
 IC ICM A61K031-715  
   ICS A61K031-34; A61K031-19  
 NCL 514474000  
 CC 63-6 (Pharmaceuticals)  
   Section cross-reference(s): 62  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
PI US 5962517	A	19991005	US 1998-16800	19980130
PRAI US 1997-36825P	P	19970131		
AB	This invention relates to a pharmaceutical compn. for the treatment of acne having an acne redn. component, i.e. a Zn compd. or a vitamin A			

source, in an amt. sufficient to reduce the redness and blemishes assocd. with acne. The invention also relates to pharmaceutical compns. having, in addn. to the acne redn. component, a skin cell conditioning component, e.g. a chromium compd., in an amt. sufficient to properly regulate the keratin and sebum prodn. of the skin cells, thereby inhibiting the appearance of acne. The compn. further includes at least one of a vitamin C source, burdock root, yellow dock root, horsetail ext., a catechin-based compn., a vitamin B1, B2, B3, B5, or vitamin E source. In a more preferred form, the invention also includes at least one amino acid component, a Mg or Se compd., and biotin. A tablet formulation was prep'd. contg. vitamin E succinate, lysine, MgO, Zn ascorbate, Chromemate chromium GTF, vitamin A palmitate, Cr picolinate, vitamins, etc. The tablets were effective in reducing the incidence and severity of acne lesions with a mean decrease in the no. of lesions of 55%.

ST      vitamin A zinc oral topical acne

IT      Group VB element compounds

IT      Group VIB element compounds

IT      Group VIIIB element compounds

IT      RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(N-contg.; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Drug delivery systems  
(capsules; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Plant (Embryophyta)  
(chaparral; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Equisetum  
(ext.; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Elder (Sambucus)  
(flowers; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Natural products, pharmaceutical  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(licorice; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Capsicum annuum annuum  
(longum group; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Echinacea

IT      Sassafras

IT      Seaweed  
(oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Alcohols, biological studies

IT      Amino acids, biological studies

IT      Carotenes, biological studies

IT      Group IVB element compounds

IT      Proanthocyanidins

IT      Transition metal compounds  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Arctium lappa

IT      Dandelion

IT      Rumex crispus  
(root; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Grape  
(seed exts.; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT      Drug delivery systems

(tablets; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT Drug delivery systems  
 (topical; oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

IT 50-81-7, L-Ascorbic acid, biological studies 56-87-1, L-Lysine, biological studies 58-56-0, Pyridoxine hydrochloride 58-85-5, Biotin 59-02-9 59-30-3, Folic acid, biological studies 59-43-8, Thiamine, biological studies 60-54-8, Tetracycline 62-49-7, Choline 79-81-2, Vitamin A palmitate 79-83-4, Pantothenic acid 83-88-5, Vitamin B2, biological studies 87-89-8, myo-Inositol 94-36-0, Benzoyl peroxide, biological studies 98-92-0, Niacinamide 114-07-8, Erythromycin 127-47-9, Vitamin A acetate 147-85-3, L-Proline, biological studies 150-13-0, p-Aminobenzoic acid 154-23-4, Catechin 302-79-4, Tretinoin 1309-48-4, Magnesium oxide, biological studies 1406-16-2, Vitamin D 3211-76-5, L-Selenomethionine 4345-03-3 4759-48-2, Isotretinoin 5743-27-1, Calcium ascorbate 7235-40-7, .beta.-Carotene 7439-95-4D, Magnesium, compds., biological studies 7440-09-7D, Potassium, compds., biological studies 7440-66-6D, Zinc, compds., biological studies 7440-70-2D, Calcium, compds., biological studies 7782-49-2D, Selenium, amino acid complexes, biological studies 8059-24-3, Vitamin B6 10098-89-2, L-Lysine hydrochloride 11103-57-4, Vitamin A 18323-44-9, Clindamycin 27882-76-4 74285-85-1 151728-40-4, Zinc ascorbate 245512-24-7, Chromemate Chromium GTF  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (oral and topical compns. contg. zinc, vitamin A, and skin conditioner for treating acne)

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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AN 1999:325772 HCAPLUS  
 DN 130:343021  
 TI Stable pharmaceutical compositions including ascorbic acid and methods of using same  
 IN Murad, Howard  
 PA USA  
 SO PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K007-48  
 CC 63-6 (Pharmaceuticals)  
 Section cross-reference(s): 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9924011	A1	19990520	WO 1998-US23529	19981104
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6194452	B1	20010227	US 1998-182180	19981030
	AU 9913072	A1	19990531	AU 1999-13072	19981104
PRAI	US 1997-64631P	P	19971107		
	US 1998-182180	A	19981030		
	WO 1998-US23529	W	19981104		

AB The present invention relates to a non-irritating, stable pharmaceutical compn. including a soln. of at least one pharmaceutically acceptable silicone or oil and a source of pharmaceutically acceptable ascorbic acid, wherein the soln. is present in an amt. sufficient to inhibit degrdn. of the ascorbic acid while facilitating the prevention or treatment of skin damage. The present invention also relates to a method for modifying free radical damage to skin by administering the above pharmaceutical compn. in a therapeutically effective amt. sufficient to treat and/or prevent free radical damage to skin. A compn. was prep'd. comprising Part A contg. octamethylcyclotetrasiloxane and organopolysiloxane 40 and tocopheryl acetate 10% by wt. and Part B contg ascorbic acid 50%.

ST ascorbic acid stable pharmaceutical; siloxane ascorbic acid stable pharmaceutical

IT Polyoxyalkylenes, biological studies

RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (di-Me, Me hydrogen polysiloxane-; stable ascorbic acid compns.)

IT Polysiloxanes, biological studies

RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (di-Me, Me hydrogen, polyoxyalkylene-; stable ascorbic acid compns.)

IT Cyclosiloxanes

RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (di-Me; stable ascorbic acid compns.)

IT Cosmetics

(stable ascorbic acid compns.)

IT Carotenes, biological studies

Polysiloxanes, biological studies

RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (stable ascorbic acid compns.)

IT Drug delivery systems

(topical; stable ascorbic acid compns.)  
 IT 58-95-7, Tocopheryl acetate 68-19-9, Vitamin B12 79-81-2, Retinyl palmitate 7235-40-7, .beta.-Carotene 9006-65-9, Dimethicone 11103-57-4, Vitamin A  
 RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (stable ascorbic acid compns.)  
 IT 50-81-7, Ascorbic acid, biological studies 556-67-2, Octamethylcyclotetrasiloxane  
 RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (stable ascorbic acid compns.)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Tamabuchi; US 4818521 A 1989 HCPLUS

L104 ANSWER 12 OF 12 HCPLUS COPYRIGHT 2003 ACS

AN 1998:590741 HCPLUS

DN 129:221193

TI Pharmaceutical compositions for improving wrinkles containing sugar compounds, antioxidants and amino acids

IN Murad, Howard

PA USA

SO U.S., 11 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM A61K031-715

ICS A61K031-34; A61K031-19

NCL 514474000

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 1, 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5804594	A	19980908	US 1997-787358	19970122
	US 5972999	A	19991026	US 1998-146554	19980903
PRAI	US 1997-787358		19970122		

AB A pharmaceutical compn. for the prevention and treatment of skin conditions in a patient comprises a sugar compd. that is converted to a glycosaminoglycan in the patient in an amt. sufficient to thicken the skin, a primary antioxidant component in an amt. sufficient to substantially inhibit the formation of collagenase and elastase, at least one amino acid component in an amt. sufficient to assist in the thickening of the skin, and at least one transition metal component in an amt. effective to bind collagen and elastic fibers and rebuild skin. In one preferred form, the compn. further includes a catechin-based prepn., a glucosamine or a pharmaceutically acceptable salt or ester thereof, and a chondroitin or a pharmaceutically acceptable salt or ester thereof. In a more preferred form, the invention further includes a vitamin E source, a cysteine source, a vitamin B3 source, quercetin dihydrate, pyridoxal 5 phosphate-Co B6, a methionine source, and a vitamin A source. The invention further relates to a method for the prevention or treatment of skin conditions by administering the pharmaceutical compn. in an amt. therapeutically effective to modify the thickness of the skin to prevent or treat at least one skin condition. A tablet contained N-acetylglucosamine 17.1, vitamin C 15, L-Lysine hydrochloride 12.2, L-proline 11, D-glucosamine sulfate 6.5, chondroitin sulfate 6.1, vitamin E succinate 4.3, zinc monomethionine 3.7, N-Acetyl cysteine 3.7, manganese ascorbate 2.8, vitamin B3 2.4, quercetin powder 2.4, grape seed ext. 0.9, proanthocyanidin pyridoxal 5 0.6, phosphate-co B6 0.6 selenoinethionine 0.5, vitamin A palmitate 0.5, copper sebacate (14%) 0.4, red beet root powder 6.1, stearic acid 1.5, sorbitol 1.3, Acdisol 0.4, coconut oil 0.1

and Syloid 0.1 1 silicon% . Female subjects were administered 2 tablets/day for 5 wk. The no. of wrinkles and fine lines were reduced by 34%.

ST pharmaceutical tablet wrinkle sugar antioxidant cosmetic; amino acid pharmaceutical tablet wrinkle sugar

IT Drug delivery systems  
(capsules; pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT Carbohydrates, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(compds.; pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT Antioxidants  
(pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT Amino acids, biological studies  
Proanthocyanidins  
Transition metals, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT Drug delivery systems  
(tablets; pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT Cosmetics  
(wrinkle-preventing; pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT 9001-12-1, Collagenase 9004-06-2, Elastase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(inhibitors; pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

IT 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, salts and esters 52-90-4, Cysteine, biological studies 56-87-1, Lysine, biological studies 63-68-3, Methionine, biological studies 63-68-3D, Methionine, zinc complex 79-81-2, Vitamin a palmitate 79-83-4, Vitamin B3 98-92-0, Niacinamide 147-85-3, Proline, biological studies 1406-18-4, Vitamin E 3211-76-5, L-Selenomethionine 3416-24-8, Glucosamine 4345-03-3 6151-25-3, Quercetin dihydrate 7439-96-5D, Manganese, salts, biological studies 7440-50-8D, Copper, salts, biological studies 7440-66-6D, Zinc, methionine complex, biological studies 7440-66-6D, Zinc, salts, biological studies 7512-17-6, N-Acetylglucosamine 7512-17-6D, N-Acetylglucosamine, salts and esters 9007-27-6, Chondroitin 9007-28-7, Chondroitin sulfate 10098-89-2, Lysine hydrochloride 11103-57-4, Vitamin A 16351-10-3 32047-81-7  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(pharmaceutical compns. for improving wrinkles contg. sugar compds., antioxidants and amino acids)

RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD

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DN 136:107192  
 TI Naphthomelanins, process for their preparation and compositions thereof  
 IN Ghisalberti, Carlo  
 PA Brazil  
 SO PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K007-42  
 ICS A61K007-48; C08G065-44  
 CC 62-1 (Essential Oils and Cosmetics)  
 Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002002066	A1	20020110	WO 2000-IB1616	20001107
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001011674	A5	20020114	AU 2001-11674	20001107

PRAI IT 2000-MI1513 A 20000705  
 WO 2000-IB1616 W 20001107

OS MARPAT 136:107192

AB The present invention relates to naphthomelanins obtainable by polymn. of polyhydroxynaphthalene monomers, alone or in combination or in conjunction with different dihydroxyarom. co-monomers. A process for the manuf. of naphthomelanins either by chem. or enzymic synthesis and the use of the naphthomelanins in cosmetic compns. useful to protect the skin, the mucous membranes and hair against UV-radiation and ageing, as well as to the use of the naphthomelanins as polymer additives useful for coloring and protecting against polymer degrdn. by UV-radiation and oxidn. are described. Thus, a dermoprotective foundation was prep'd. contg. the naphthomelanin obtained by copolymn. of 1,6-dihydroxynaphthomelanin and lawsone in 4:1 molar ratio, resp. Also, when blended with polyvinylpyrrolidone and low-d. polyethylene into a film for a greenhouse roof, a naphthomelanin of the present invention provided a weather resistance of about 10-2.

ST naphthalene melanin cosmetic polymer stabilization prep'n;  
**polyphenol** polymn naphthomelanin cosmetic prep'n  
 IT Skin, disease  
 (aging, protection against UV-radiation and aging; prep'n. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)

IT Cosmetics  
 (antiaging; prep'n. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)

IT Polymers, uses  
 RL: NUU (Other use, unclassified); POF (Polymer in formulation); PRP (Properties); USES (Uses)  
 (co-; prep'n. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)

IT Anthocyanins  
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (copolymers with polyhydroxynaphthalenes; prep'n. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)

IT Hair preparations  
 (dyes; prep'n. of naphthomelanins for cosmetic uses and as polymer

- stabilizing additives)
- IT Polymerization
  - (enzymic; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Hair preparations
  - (for protection against UV-radiation and ageing; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Cosmetics
  - (foundations; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Cosmetics
  - (makeups; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Cosmetics
  - (moisturizers; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Polymerization
  - (oxidative; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Brazilwood (*Caesalpinia echinata*)
  - Fustic (plant)
    - (polyphenols, copolymers with dihydroxynaphthomelanin; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Phenols, biological studies
  - RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
    - (polyphenols, nonpolymeric, plant, copolymers with polyhydroxynaphthalenes; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Cosmetics
  - Oxidizing agents
  - Polymerization catalysts
  - Stabilizing agents
  - Sunscreens
  - Suntanning agents
    - (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Enzymes, uses
  - RL: CAT (Catalyst use); USES (Uses)
    - (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Polymers, uses
  - RL: NUU (Other use, unclassified); POF (Polymer in formulation); PRP (Properties); USES (Uses)
    - (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Polymer blends
  - RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses)
    - (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Greenhouses
  - (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives for greenhouse roof films)
- IT Metals, uses
  - RL: CAT (Catalyst use); USES (Uses)
    - (pro-oxidant; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Mucous membrane
  - (protection against UV-radiation and ageing; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)
- IT Polymer degradation
  - (protection against; prepn. of naphthomelanins for cosmetic uses and as

polymer stabilizing additives)  
 IT Polymer degradation  
 (weathering, protection against; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)  
 IT 80498-15-3, Laccase  
 RL: CAT (Catalyst use); USES (Uses)  
 (Denilase II S; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)  
 IT 9002-88-4, Polyethylene  
 RL: NUU (Other use, unclassified); POF (Polymer in formulation); PRP (Properties); USES (Uses)  
 (low-d.; prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)  
 IT 7439-89-6, Iron, uses 7440-02-0, Nickel, uses 7440-48-4, Cobalt, uses 7440-50-8, Copper, uses 7758-98-7, Copper sulfate, uses 9002-10-2, Tyrosinase 9003-99-0, Peroxidase 9029-60-1, Lipoxygenase  
 RL: CAT (Catalyst use); USES (Uses)  
 (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)  
 IT 575-44-0DP, 1,6-Naphthalenediol, copolymers with **polyphenols** of Brazil-wood 582-17-2DP, 2,7-Naphthalenediol, copolymers with anthocyanins 29254-61-3P 146291-51-2P 363151-82-0P 388081-62-7P 388081-63-8P 388081-64-9P 388081-65-0P 388081-66-1P 388081-67-2P 388081-68-3P 388081-69-4P 388081-70-7P  
 RL: COS (Cosmetic use); MOA (Modifier or additive use); NUU (Other use, unclassified); POF (Polymer in formulation); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)  
 IT 7722-64-7, Potassium permanganate 7722-84-1, **Hydrogen peroxide**, uses 7727-54-0, Ammonium persulfate 10034-81-8, Magnesium perchlorate 10034-85-2, Hydrogen iodide  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)  
 IT 9003-39-8, Polyvinylpyrrolidone  
 RL: NUU (Other use, unclassified); POF (Polymer in formulation); PRP (Properties); USES (Uses)  
 (prepn. of naphthomelanins for cosmetic uses and as polymer stabilizing additives)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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- (3) Ragimov, A; US 4396757 A 1983 HCPLUS
- (4) Univ Yale; WO 9625920 A 1996 HCPLUS

L103 ANSWER 2 OF 5 HCPLUS COPYRIGHT 2003 ACS

AN 2001:300511 HCPLUS

DN 134:315855

TI **Antimicrobial** compositions comprising pyroglutamic acid and metal salts

IN Biedermann, Kimberly Ann; Kronholm, Kurt Glen; Beerse, Peter William; Morgan, Jeffrey Michael; Mobley, Michael Joseph

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K031-195

ICS A01N037-46

CC 62-1 (Essential Oils and Cosmetics)

Section cross-reference(s): 10, 46, 63

## FAN.CNT 24

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001028552	A2	20010426	WO 2000-US28922	20001019
	WO 2001028552	A3	20010614		
	W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014778	A	20020716	BR 2000-14778	20001019
	EP 1225887	A2	20020731	EP 2000-970995	20001019
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1999-421131	A	19991019		
	WO 2000-US28922	W	20001019		
AB	The present invention relates to <b>antimicrobial</b> compns. which provide enhanced immediate as well as residual <b>anti-viral</b> and <b>antibacterial</b> efficacy. The <b>antimicrobial</b> compns. of the present invention provide previously unseen residual effectiveness against Gram neg. bacteria, Gram pos. bacteria, and viruses, fungi, and improved immediate germ redn. upon use. These compns. comprise: (a) a safe and effective amt. of pyroglutamic acid; (b) a safe and effective amt. of a metal salt; and (c) a <b>dermatol.</b> acceptable carrier for the acid and salt, wherein said compn. has a pH of 1-7. The invention further relates to methods of use for the present compns. as well as <b>antimicrobial</b> products which incorporate the compns. For example, a foaming facial, hand or body wash suitable for washing the skin is prep'd. from the following ingredients using conventional mixing techniques: (A) sodium myristoyl sarcosinate 1.35%, disodium lauroamphoacetate 0.35%, sodium trideceth sulfate 0.35%, lauroamphoacetate 1.85%, PEG 120 Me glucose dioleate 2.7%, glycerin 2%; (B) dimethicone copolyol 1.3%, PEG 6 caprylic/capric glycerides 1%, phenoxyisopropanol 0.72%, Polyquaternium-10 0.5%, pyroglutamic acid 2.0%, Cuvridone 0.5%, CuCl2 0.1%, disodium EDTA 0.1%, glycol distearate 0.6%, sodium laureth sulfate 0.6%, cocamide MEA 0.12%, Laureth-10 0.12%, PEG 150 pentaerythritol tetrastearate 0.9%, fragrance 0.2%; and (C) water up to 100%, resp.				
ST	pyroglutamate salt topical <b>antimicrobial</b> cosmetic cleaning; disinfectant topical pyroglutamate salt cosmetic cleaning				
IT	Amine oxides RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (C12-16-alkyldimethyl; <b>antimicrobial</b> compns. comprising pyroglutamic acid and metal salts)				
IT	Alcohols, biological studies RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (C16-18, ethoxylated, ceteareth; <b>antimicrobial</b> compns. comprising pyroglutamic acid and metal salts)				
IT	Glycerides, biological studies RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (C8-10, ethoxylated; <b>antimicrobial</b> compns. comprising pyroglutamic acid and metal salts)				
IT	Sulfonic acids, biological studies RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				

- (alkene, C14-16-; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Quaternary ammonium compounds, biological studies
  - RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (alkylbenzyldimethyl, chlorides; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Shampoos
  - (**antidandruff**; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Antibacterial agents
  - Antimicrobial agents
  - Antiviral agents
  - Common cold
  - Disinfectants
  - Fungicides**
  - Gram-negative bacteria
  - Gram-positive bacteria (Firmicutes)
  - Mouthwashes
  - Rhinovirus
  - Scouring agents
  - Surfactants
    - (**antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Alcohols, biological studies
  - Amine oxides
  - Betaines
  - Carboxylic acids, biological studies
  - Polyoxalkylenes, biological studies
  - Salts, biological studies
    - RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      - (**antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Soaps
  - RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (**antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Bath preparations
  - (body washes; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Essential oils
  - RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (clove; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Amides, biological studies
  - RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (coco, N-(hydroxyethyl), cocamide MEA; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Respiratory tract
  - (disease; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Detergents
  - (dishwashing; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)
- IT Essential oils
  - RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (eucalyptus; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Waxes  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (floor; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Drugs  
 (gastrointestinal; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Bath preparations  
 Cosmetics  
 (gels; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Cosmetics  
 (hand sanitizers; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Cosmetics  
 (lotions; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Cosmetics  
 (**moisturizers**; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Drug delivery systems  
 (nasal sprays; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Polysiloxanes, biological studies  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (polyether-; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Polyethers, biological studies  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (siloxane-; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Drug delivery systems  
 (solns., topical; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Essential oils  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (thyme, Thymus vulgaris, thyme oil; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Paper  
 (tissue, facial; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT Medical goods  
 (wipes; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 15454-74-7, Cuivridone  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Cuivridone; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 556-67-2, DC 344  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (DC 344; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 128285-85-8, Dow Corning 580  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Dow Corning 580; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 2216-51-5, Levomenthol

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Levomenthol; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 158050-37-4, Dow Corning Q 2-1401  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Q 2-1401; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 50-70-4, Sorbitol, biological studies 57-11-4, Stearic acid, biological studies 57-13-6, Urea, biological studies 57-55-6, Propylene Glycol, biological studies 58-95-7, Tocopheryl Acetate 64-02-8, Tetrasodium EDTA 64-17-5, Ethanol, biological studies 67-43-6, DTPA 67-63-0, Isopropanol, biological studies 69-72-7, Salicylic Acid, biological studies 79-10-7D, Acrylic acid, esters, polymers 81-13-0, Panthenol 88-04-0, p-Chloro-m-xlenol 90-43-7, o-Phenylphenol 98-79-3, Pyroglutamic acid 98-92-0, Niacinamide 102-71-6, Triethanolamine, biological studies 110-63-4, Butylene Glycol, biological studies 112-92-5, Stearyl Alcohol 118-55-8, Phenylsalicylate 122-99-6, Phenoxyethanol 139-44-6, Trihydroxystearin 142-91-6, Isopropyl palmitate 532-32-1, Sodium Benzoate 540-10-3, Cetyl palmitate 676-46-0, Sodium malate 770-35-4, Phenoxyisopropanol 994-36-5, Sodium Citrate 1191-50-0, Sodium myristyl sulfate 2235-54-3, Ammonium lauryl sulfate 2809-21-4, HEDP 3380-34-5, **Triclosan** 5466-77-3, Parsol MCX 7149-65-7, L-Pyroglutamic acid ethyl ester 7439-89-6D, Iron, salts, biological studies 7440-02-0D, Nickel, salts, biological studies 7440-22-4D, Silver, salts, biological studies 7447-39-4, Copper(II) chloride, biological studies 7631-86-9, Silica, biological studies 7646-85-7, **Zinc** chloride (ZnCl<sub>2</sub>), biological studies 7647-14-5, Sodium chloride, biological studies 7664-93-9D, Sulfuric acid, alkyl esters, biological studies 7705-08-0, Iron(III) chloride, biological studies 7722-84-1, **Hydrogen peroxide**, biological studies 7758-98-7, Copper sulfate, biological studies 7761-88-8, Silver nitrate, biological studies 7772-99-8, Tin chloride (SnCl<sub>2</sub>), biological studies 7786-81-4, Nickel(II) sulfate 9002-92-0, Laureth 10 9003-39-8, Luviskol K 17 9004-53-9, Dextrin 9004-64-2, Hydroxypropyl cellulose 9006-65-9, Dimethicone 9087-61-0, Aluminum Starch Octenyl Succinate 10028-22-5, Iron(III) sulfate 11138-66-2, Xanthan gum 13463-41-7, Pyrithione **zinc** 14350-97-1 15214-89-8 15435-29-7, Bromochlorophene 15827-60-8, DETPMP 18641-57-1, Syncrowax HRC 24937-16-4, Nylon-12 25038-74-8 25265-71-8, Dipropylene glycol 25301-02-4, Tyloxapol 25322-68-3, Polyethylene glycol 26027-38-3, Nonoxynol 14 30364-51-3, Sodium myristoyl sarcosinate 32612-48-9, Ammonium Laureth-3 Sulfate 36653-82-4, Cetyl Alcohol 39421-75-5, Jaguar HP 120 42233-14-7, Arachidyl Behenate 54116-08-4, Sodium trideceth sulfate 60908-77-2, Isohexadecane 67167-59-3, Polyethylene glycol stearate 81859-24-7, Polyquaternium 10 84861-79-0, Palmityl potassium phosphate 89382-86-5, Bentone EW 104365-77-7 125018-88-4, Glydant Plus 130249-48-8, Polyethylene glycol pentaerythritol tetrastearate 134499-37-9, Carbopol 954 138789-85-2, Pemulen TR1 156028-14-7, Sodium lauroamphoacetate 286384-03-0, Dow Corning QZ 3225C 335383-60-3, Aristoflex AVC

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (**antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 9003-05-8D, crosslinked 148093-12-3, Sepigel 305  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (**antimicrobial** compns. comprising pyroglutamic acid and metal salts)

IT 13463-67-7, Titanium dioxide, biological studies  
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(silane-treated; **antimicrobial** compns. comprising pyroglutamic acid and metal salts)

L103 ANSWER 3 OF 5 HCPLUS COPYRIGHT 2003 ACS  
 AN 2000:790263 HCPLUS  
 DN 133:339982  
 TI Biomimetic water solutions and compositions, their use as and in health and beauty care products and the methods to prepare them  
 IN Colic, Miroslav  
 PA Henceforth Hibernia, Inc., USA  
 SO PCT Int. Appl., 26 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K007-00  
 CC 62-4 (Essential Oils and Cosmetics)  
 Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000066071	A1	20001109	WO 2000-US11615	20000428
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1176938	A1	20020206	EP 2000-928594	20000428
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	US 1999-131557P	P	19990429		
	WO 2000-US11615	W	20000428		

AB The invention is directed to compns. of health and beauty care products which are produced by mimicking the human body's own defense mechanisms and the methods to produce and use such compns. The products are water based, oil and surfactant free and can be **antimicrobial**, without causing drying or itching of the skin. Moreover, such products enhance hydration and **moisturizing** of the skin and prevent itching. The products are based on water solns. of mixed oxidants, mimicking those produced by the human immune system cells. The invention also describes the processes for producing such products. Such products can be used independently, or to prep. creams, gels, lotions, tooth and other pastes, powders, suppositories, body and **hair** shampoos and rinses, oral and body hygiene rinses, creams and other products which would be obvious to those skilled in the art. A method of producing a biomimetic water soln. for health and beauty care comprises (a) electrochem. activating a soln. contg. purified water and sodium or potassium chloride to produce free chlorine and hypochlorite ions by electrolyzing said soln. in a device having a cathode compartment and an anode compartment; (b) collecting the activated soln. from said anode compartment; (c) introducing **hydrogen peroxide** into said collected soln.; (d) adjusting the pH of the soln. resulting from step (c) to about 5.5; and (e) removing said free chlorine from the soln. resulting from step (d).

ST biomimetic water soln health beauty care cosmetic; **antimicrobial** **moisturizing** biomimetic water soln; hypochlorite peroxide biomimetic water cosmetic

IT Aloe barbadensis

Analgesics

Anti-inflammatory agents

Antibacterial agents  
Antimicrobial agents  
Antitumor agents  
Cosmetics  
Dentifrices  
Distillation  
Drug delivery systems  
Electrolysis  
Health  
Reverse osmosis  
**Shampoos**  
Solutions  
Water purification  
Wound healing  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Oxidation  
(biomimetic; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Cosmetics  
(creams; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Skin, disease  
(dry, reducing itching in; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT **Echinacea**  
(ext.; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Cosmetics  
(gels; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Electromagnetic field  
Sound and Ultrasound  
(in enhancing delivery; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Skin, disease  
(insect bite, reducing itching in; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Drug delivery systems  
(liposomes; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Cosmetics  
(lotions; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Cosmetics  
(moisturizers; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Drug delivery systems  
(ointments; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Hygiene  
(oral; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Antioxidants  
(pharmaceutical; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Cosmetics  
(powders; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Electric field  
(pulsed, in enhancing delivery; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Skin, disease

(scar, treatment of; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Drug delivery systems  
(suppositories; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT Acne  
Pruritus  
(treatment of; biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT 69-72-7, Salicylic acid, biological studies 73-78-9, Lidocaine hydrochloride 616-91-1, N-Acetylcysteine  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT 56-81-5, Glycerin, biological studies 57-55-6, Propylene glycol, biological studies 60-00-4, EDTA, biological studies 9004-62-0, Hydroxyethylcellulose  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT 14380-61-1, Hypochlorite  
RL: BUU (Biological use, unclassified); FMU (Formation, unclassified); THU (Therapeutic use); BIOL (Biological study); FORM (Formation, nonpreparative); USES (Uses)  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT 7681-52-9, Sodium hypochlorite 7722-84-1, Hydrogen peroxide, biological studies 7732-18-5, Water, biological studies  
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT 7782-50-5, Chlorine, processes  
RL: FMU (Formation, unclassified); REM (Removal or disposal); FORM (Formation, nonpreparative); PROC (Process)  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

IT 7447-40-7, Potassium chloride, reactions 7647-14-5, Sodium chloride, reactions 10028-15-6, Ozone, reactions  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(biomimetic water solns. and compns. for health and beauty care products and methods to prep. them)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Biener, H; EP 0654270 A1 1995 HCPLUS
- (2) Miz Co Ltd; JP 07277994 A 1995 HCPLUS
- (3) Thorel, J; FR 2780887 A1 2000 HCPLUS
- (4) Z P M Inc; WO 9824727 A1 1998 HCPLUS

L103 ANSWER 4 OF 5 HCPLUS COPYRIGHT 2003 ACS

AN 1997:465076 HCPLUS

DN 127:86119

TI Cosmetic and dermatological compositions containing uric acid and uricase

IN Gohla, Sven; Wolf, Florian; Riedel, Jan-Henric

PA Beiersdorf A.-G., Germany

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German  
 IC ICM A61K007-48  
 ICS A61K007-40; A61K007-135; A61K007-021; A61K009-50; A61K031-52;  
 A61K038-43

CC 63-6 (Pharmaceuticals)  
 Section cross-reference(s): 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19547991	A1	19970626	DE 1995-19547991	19951221
	JP-09175991	A2	19970708	JP 1996-355471	19961224

PRAI DE 1995-19547991 19951221

AB Topical compns. contg. sep. microencapsulated uric acid and uricase, when exposed to conditions which allow contact and reaction of these substances, generate  $H_2O_2$  and therefore exhibit antimicrobial and antiviral properties. Such compns. are useful in treatment of skin irritation, dermatitis, comedones, dermatomycosis, and superinfection of the skin with pathogens; they are also useful in deodorants, skin moisturizers, and hair bleaches. Thus, a water-in-oil lotion contained paraffin oil 25.00, silicone oil 2.00, ceresin 1.50, lanolin alc. 0.50, glucose sesquisostearate 2.50, uric acid 3.00, microencapsulated uricase 1.50, perfume, preservative, and water to 100.00 wt.% (pH 5.5-6.0).

ST urate uricase microbicide cosmetic dermatol; hydrogen peroxide generation cosmetic dermatol

IT Hair preparations

(bleaches; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Hair preparations

(conditioners; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Antimicrobial agents

Cosmetics

Detergents

Microcapsules

Shampoos

Shaving preparations

(cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Cosmetics

(face packs; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Deodorants

(gels, roll-on; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Cosmetics

(lipsticks; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Drug delivery systems

(microcapsules; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Cosmetics

(moisturizers; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Drug delivery systems

(ointments; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Cosmetics

(skin-lightening; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT Drug delivery systems

(topical; cosmetic and dermatol. compns. contg. uric acid and uricase)

IT 69-93-2, Uric acid, biological studies 9002-12-4, Uricase